

## ABSTRACT

According to the measuring head, the zero point and the amount of front travel settings are facilitated. Firstly, the amount of front travel is set by allowing contacts 34, 34 to abut a master 50. Then, rotating the lever 42 in a direction indicated by an arrow E, or a close position, causes the bearing member 36 to be fastened to the swinging support shaft 28. At this time, a restoring force, or a force caused by reaction, of the bearing member 36 transferred from the bearing member 36 through the arm 38, cam plate 40 and shaft 48 to the measurement lever 32 causes the measurement lever 32 to deflect by an amount that equals to the amount of front travel, and therefore from the position where the amount of front travel is set to the zero point position. This automatically sets the zero point position.